Government of
Saskatchewan

Annual Report of the Fire Commissioner

For the Fiscal Year ended
March 31, 1984

Published by Authority of
The Hon. Lorne McLaren,
Minister of Labour

Regina, June 30, 1984

To the Honourable Lorne McLaren,
Minister of Labour

Sir:

I have the honour to present herewith the annual report of the Fire Commissioner for the twelve months ended March 31, 1984.

Respectfully submitted,
M. G. G. Fisher,
Fire Commissioner.

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Summary

In the report which follows, fire losses in Saskatchewan for the calendar year are included both in summary form and in greater detail. Other data included in this report are presented on a fiscal-year basis.

Increase in Fire Losses

Fire losses in Saskatchewan in the year under review show a slight increase from the previous year. The property loss for 1983 was $31,920,418 as compared with $29,361,627 in 1982. There was a total of 18 fires in which the loss was $250,000 and over. The combined loss of all 18 fires totalled $7,582,439.

A total of 3,251 fires was reported in 1983. Electricity was the largest single cause of fire, accounting for 22 percent of the total number of fires or 715 fires. Other leading causes were: flammable liquids (13.5 percent — 440 fires), coal or wood (11.3 percent — 367 fires), and smokers' materials (9.6 percent — 311 fires). While electricity was the major contributor to the number of fires, this was due to bad personal usage or practice.

Most Fires Occur in Homes

Fires in homes continued to be highest in number. In 1983, 35.4 percent of all fires reported were in homes (a total of 1,152 fires with property loss of $10,901,269).

The number of lives lost in fires in Saskatchewan decreased in 1983 from the previous year. In 1983, 30 persons lost their lives (14 men, 7 women and 9 children) as compared with 40 persons in 1982.

During the fiscal year 1983-84, provincial fire inspectors conducted routine inspections of all public and mercantile buildings in 213 towns, villages and hamlets. Special inspections were also carried out in cities and in industrial and farm properties.

The data included in this report have been compiled from information received from provincial fire inspectors, urban and rural fire chiefs, police forces, coroners, insurance companies and adjusters, secretary-treasurers of rural municipalities and the news media.

Fire Safety Unit

The Fire Safety Unit, administered through the Safety Services Division of the Occupational Health and Safety Branch, enforces *The Fire Prevention Act* and regulations thereunder with respect to:

- apartment buildings;
- educational facilities;
- hospitals;
- hotels, motels, motor hotels, inns;
- installation of automatic sprinkler systems;
- fire hose threads;
- the approval, installation and maintenance of oil burners and oil-burning equipment and appliances using flammable liquids as fuel; and
- storage and handling of flammable liquids.

The unit inspects and carries out responsibilities with regard to:

(a) regulations adopted under *The Housing and Special-Care Homes Act* with respect to fire safety in special-care homes and homes for the aged;

(b) regulations under *The Mental Health Act*, regarding accommodation for psychiatric patients;

(c) pertinent sections of *The Civil Defence and Disaster Act*.

The functions of the unit include: a programme of inspection and licensing; preparation of educational and practical programmes in fire prevention and fire protection; training of volunteer firefighters; fire and arson investigation; approval of plans and specifications; and the recording of information on fires in the province. The unit also provides consulting services on fire safety matters to other government departments, municipalities, organizations, industry, committees and individuals.

For the purpose of fire inspection, the province is divided into nine districts, with fire prevention officers based in North Battleford, Prince Albert, Regina, Saskatoon, Swift Current and Yorkton.

The authorized staff of the Fire Safety Unit on March 31, 1984, is shown below by category:

Category	Number of positions
All categories	**21**
Fire Commissioner	1
Deputy Fire Commissioner	1
Architect	1
Senior Fire Prevention Officer	Vacant
Fire Prevention Officers	13
Clerical	5

Associations and Committees

During 1983-84, the Fire Commissioner was a member of the Association of Canadian Fire Marshals and Fire Commissioners; the Canadian Association of Fire Chiefs; the National Fire Protection Association; the Saskatchewan Association of Fire Chiefs; and the Fire Safety Councils of the Canadian Standards Association, Underwriters' Laboratories of Canada, Warnock Hersey and Canadian Gas Standards Advisory Committee.

Conferences

During the year 1983-84, the following conferences or meetings were attended by the Fire Commissioner: the National Fire Protection Association Convention in Kansas City, Kansas in May and the Saskatchewan Association of Fire Chiefs in Regina in June. During the same period, the Deputy Fire Commissioner attended: the Saskatchewan Association of Fire Chiefs in Regina in June and the Association of Fire Marshals and Fire Commissioners Annual Conference in Toronto, Ontario in July.

Training and Upgrading

In June of 1983, one fire prevention officer attended the Saskatchewan Fire Investigation Course in Regina.

New Legislation

There was no new legislation passed during the fiscal year of 1983-84.

Inspection Programme

Fire prevention officers of the Fire Safety Unit carried out an inspection programme in 1983-84 in various classes of buildings with the exception of dwellings, where inspections were made only as a result of a complaint or obvious hazard. Inspection of dwellings by local authorities is encouraged because of the large inspection staff which would otherwise be required for this activity. Hospitals, institutional buildings, schools and other places of public assembly were inspected in the interest of fire safety. Government-owned buildings were also inspected for fire safety and evacuation procedures.

Routine inspections were conducted during the fiscal year in 213 towns, villages and hamlets.

In large urban municipalities, paid fire departments have authority under *The Fire Prevention Act* to inspect and enforce provincial regulations. Provincial attention is only given in special circumstances or appeals.

During the year, fire prevention officers made 5,884 inspections. This does not include oil burner inspections, which are mentioned elsewhere in this report. Of this number, 758 were special inspections and 745 were re-inspection follow-ups on previous orders. A total of 770 orders to remedy certain conditions within specified periods of time was issued. Inspections and improvement orders issued are shown in Table 1, according to class of property inspected.

Education Services

The Fire Safety Unit continued to advise municipal councils and fire departments with respect to fire protection requirements. A total of 69 fire department surveys was made during the year. Inspectors advised institutions, hospitals and hotels on fire emergency programmes, fire exit drills and other safety matters. In addition, inspectors attended 132 special meetings with fire chiefs, local authorities and other persons concerned with fire prevention.

Fire Prevention Week (Oct. 9 - 15) was emphasized by means of lectures to school children; distribution of films, special fire prevention literature, and news releases; and special messages from both the Minister-in-charge of *The Fire Prevention Act* and the Fire Commissioner.

As part of a continuing effort to bring fire prevention to the attention of young people, the Fire Safety Unit again sponsored the Annual Fire Prevention Poster Competition for public and high schools. As in previous years, the competition was open for grades 1 to 12 and 22 prizes were awarded. The number of entrants decreased from 4,658 in 1982-83 to 4,200 in 1983-84, a total of 458. Winners of the contest were notified of their award by the Minister-in-charge of *The Fire Prevention Act* and all other entrants were notified by the Fire Safety Unit. The awards were made public through press, radio and television. The interest shown in fire prevention by teachers and students was most gratifying.

Films

During the year under review, fire prevention films owned by the Fire Safety Unit were widely used throughout the province by arrangement with SaskMedia. Fire prevention officers also showed films in schools and to various organizations.

Firefighters' Training

During the fiscal year 1983-84 training schools for volunteers firefighters were conducted in 31 towns and villages as shown in Table 7. Of the 2,245 registrants in these schools, 640 student firemen completed the training course and received certificates. The number of schools conducted and persons registered since 1974-75 is shown in Table 8. Three pump operator courses and one firefighter instructor course were conducted during the same period.

During the fiscal year, fire prevention officers lectured and gave tabletop fire demonstrations at 20 fire prevention meetings in hospitals, schools, hotel association workshops, other similar events and to R.C.M.P. recruit training classes at one fire safety course.

Firefighting Equipment in Saskatchewan

There are now over 75 rural fire protection associations in operation, protecting rural homes or a combination of rural and urban homes in smaller centres. Most of the associations cover districts financed on a taxation basis and they protect from one to three rural municipalities. They include some towns, villages and hamlets within their particular rural municipalities. Several rural fire departments are operating on a co-operative basis and by subscription.

Provincial legislation provides for agreements to share the cost of firefighting equipment under the various municipal Acts, and provides for taxation over all or part of any municipality for fire protection. There are over 325 pumping units in the province, each with a capacity of 420 gallons or more per minute.

Plans and Specifications

During the fiscal year ended March 31, 1984, 1,406 plans and specifications of new buildings or additions to existing building were reviewed. Of these, 505 were approved with minor provisions and 754 were approved subject to alterations. Approval was not given in 147 examinations, either because of requirements for major re-design or because the review was only advisory. The above figures do not include sketches and drawings which were reviewed in consultation with architects and other interested persons previous to the preparation of preliminary and/or final drawings.

As in previous years, plans required to be submitted were examined for compliance with the Flammable Liquids Regulations, the Hotel Regulations, the Hospital Fire Regulations, the Regulations Governing Fire Safety in Educational Buildings, the Regulations Governing Installation of Automatic Sprinkler Systems and pertinent sections of the regulations under *The Housing and Special-care Homes Act.*

In examining plans submitted for government buildings and plans voluntarily submitted for structures such as churches, lodge rooms, and dry cleaning plants, the Fire Safety Unit continued to apply the National Building Code of Canada as widely as possible. Codes of the National Fire Protection Association and other standards of good practice are also used for this purpose.

Table 9 shows the number of plans and specifications reviewed, by disposition, since 1974-75.

Fire Record

Under the provisions of *the Fire Prevention Act,* the Fire Commissioner is required to maintain a record of fires occurring in the province and to include facts relating to origin and circumstances as they have been determined by Fire Safety Unit investigation and by reports of adjusters and police.

Fire Investigation

During 1983-84, Fire Crime Reports were submitted for 234 investigations. Such reports are submitted by police, fire and Fire Safety Unit staff. Fire Safety Unit staff participated in 134 investigations including cases in which arson was suspected and cases in which for fire prevention reasons it would be in the public's interest to determine the cause of the fire. While Fire Prevention Officers made a number of investigations unassisted, in many cases they assisted law enforcement officers in determining the cause of the fire whether accidental or intentional in origin. The results and disposition of the Fire Crime Report investigations are illustrated in Tables 10, 11 and 12. Table 13 indicates the number of investigations of this category made since 1974-75. It should be noted that all fires reported are investigated for cause, origin and circumstance by either the Local Assistant to the Fire Commissioner (Secretary-treasurers, Fire Chief and his staff), police, insurance agencies, special investigation units, the Fire Commissioner's staff or a combination of these forces. No inquiries were undertaken in 1983-84.

Table 1

Inspections and Improvement Orders by Property Classification, Saskatchewan, 1983-84

Class of Property	Inspections (calls) *	Improvement orders issued
Total	**5,884**	**757**
Assembly	**2,056**	**403**
Amusement centres (arcades)	9	1
Ball parks	1	—
Bowling alleys	10	1
Change houses	3	1
Churches	422	35
Clubs	17	2
Court rooms	1	—
Day care centres	12	—
Funeral homes	1	—
Halls	404	102
Libraries	28	2
Licensed beverage rooms	2	1
Museums	16	1
Pool rooms	8	1
Restaurants (cafes, licensed rooms)	152	16
Rinks	413	87
Senior citizen centres	108	7
Schools (sheltered workshops, activity centres)	424	141
Swimming pools	14	2
Theatres	10	3
Undertaking premises	1	—
Institutional	**176**	**38**
Correction centres	3	—
Hospitals	92	26
Jails	2	—
Nursing homes	79	12
Residential	**654**	**157**
Apartments	103	32
Approved homes	43	1
Convents, monasteries	6	—
Dormitories	20	4
Group homes	27	2
Houses	42	4
Hotels	286	103
Lodging houses	4	—
Mobile homes	60	—
Motels	54	11
Summer camp buildings	9	—

Table 1 (Continued)

Inspections and Improvement Orders by Property Classification, Saskatchewan, 1983-84

Class of Property	Inspections (calls) *	Improvement orders issued
Businesses	**822**	**6**
Banks (credit unions)	78	3
Barber and hairdressing shops	21	—
Clinics (medical & veterinary)	16	—
Health spas	1	—
Laundromats and drycleaners	15	—
Offices	690	3
Radio stations	1	—
Mercantile	**627**	**5**
Car washes	9	—
Department stores	4	—
Exhibition halls	3	—
Shops	14	—
Stores	587	5
Supermarkets	10	—
Industrial	**1,549**	**148**
Above and underground tanks	113	50
Aircraft hangers	2	1
Auto body shops	44	3
Bakeries	9	—
Bulk oil plants (propane)	210	50
Cold storage plants	3	—
Concrete plants	2	—
Creameries and dairies	—	—
Factories	27	3
Fertilizer buildings	4	—
Fire stations	100	—
Hatcheries	1	—
Lumber yards	46	2
Machine shops (metal, welding)	29	—
Plumbing and heating shops	6	—
Printing shops	1	—
Pump houses	28	1
Repair garages (implements)	432	21
Service stations	172	12
Storage garages and rooms	21	—
Upholstery shops	2	—
Warehouses (storage sheds)	256	3
Water treatment plants	24	—
Well drilling	1	1
Woodworking factories (shops)	6	1
Workshops	10	—

* Includes 758 special inspections and 745 re-inspections.

Table 2

Inspections and Improvement Orders Issued, Saskatchewan, 1974-75 — 1983-84

Year	Inspections (calls)	Improvement orders issued
1974-75	12,086	2,141
1975-76	10,981	1,539
1976-77	8,619	1,015
1977-78	3,987	487
1978-79	5,824	764
1979-80	5,285	711
1980-81	4,076	626
1981-82	3,603	650
1982-83	6,028	907
1983-84	5,884	757

Table 3

Inspections by Property Classification, Saskatchewan, 1974-75 — 1983-84

Year	Total*	Residential buildings	Commercial property	Institutional and assembly buildings	Manufacturing establishments	Other bldgs.
1974-75	12,086	848	6,597	4,115	73	453
1975-76	10,981	955	5,800	3,707	54	465
1976-77	8,619	959	4,221	2,971	53	415
1977-78	3,987	458	1,821	1,521	9	178
1978-79	5,824	574	2,856	2,016	44	334
1979-80	5,285	529	2,485	2,004	23	244
1980-81	4,076	409	1,991	1,554	14	188
1981-82	3,603	450	1,607	1,349	13	184
1982-83	6,028	681	2,845	2,137	29	336
		Assembly	Inst'nl	Residential	Bus.	Mercantile	Industrial
1983-84	5,884	2,056	176	654	822	627	1,549

* Includes special inspections and re-inspections to ascertain compliance with improvement orders.

Table 4

Improvement Orders Issued, by Property Classification, Saskatchewan, 1974-75 — 1983-84

Year	Total*	Residential buildings	Commercial property	Institutional and assembly buildings	Manufacturing establishments	Other bldgs.
1974-75	2,141	288	438	1,354	4	57
1975-76	1,539	265	286	938	6	44
1976-77	1,015	185	207	570	2	51
1977-78	487	78	80	312	1	16
1978-79	764	133	117	461	1	52
1979-80	711	117	118	447	1	28
1980-81	626	115	132	360	—	19
1981-82	650	144	120	353	1	32
1982-83	907	246	126	483	4	48
		Assembly	Inst'nl	Residential	Bus.	Mercantile	Industrial
1983-84	757	403	38	157	6	5	148

* Includes special inspections and re-inspections to ascertain compliance with improvement orders.

Table 5

Selected Activities in Fire Prevention Education, Saskatchewan, 1983-84

Selected activities	Number of meetings	Attendance
Public meetings	21	412
School lectures	160	18,524
Other lectures and demonstrations	33	1,393
Film showings	195	18,524
Fire department conferences	39	310
Municipal council conferences	22	74
Meetings with school boards	17	78
Meetings with hospital boards	3	56
Meetings with fire chiefs	19	—
Court cases	6	—
School fire drills	82	9,774
Building/design consultants	101	55

Note: Attendance figures are not recorded for all activities.

Table 6

Selected Activities in Fire Prevention, Saskatchewan, 1974-75 — 1983-84

Activity	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
Public meetings	4	16	6	6	10	11	7	4	4	21
School lectures	134	122	68	81	39	117	80	46	200	160
Other lectures and demonstrations	27	13	25	5	8	46	11	12	3	33
Film showings*	145	100	65	82	65	132	80	74	260	195
Fire department conferences	52	45	46	15	17	31	33	18	30	39
Municipal council conferences	22	11	23	10	18	6	14	37	11	22
Meetings with school boards	17	9	7	5	13	19	4	10	8	17
Meetings with hospital boards	7	4	1	—	5	—	5	1	7	3
Meetings with fire chief, etc.	182	137	106	72	232	135	213	105	97	19
Hospital emergency training	14	11	3	1	2	4	5	—	3	—

*These figures refer only to film showings sponsored by the Fire Safety Unit.

Note: Attendance figures are not recorded for all activities.

Table 7

Volunteer Firefighters' Training Schools, Saskatchewan, 1983-84

Location	Period
Hawarden	April 4, 5, 6, 1983
Bjorkdale	April 12, 13, 14, 1983
Archerwill	April 18, 19, 20, 1983
Yellow Creek	April 25, 26, 27, 1983
Bruno	May 2, 3, 4, 1983
Clavet	May 9, 10, 11, 1983
Guernsey	May 16, 17, 18, 1983
Landis	May 24, 25, 26, 1983
Cutknife	May 30, 31, June 1, 1983
Marsden	June 20, 21, 22, 1983
Dore Lake	June 27, 28, 29, 1983
Leoville	July 4, 5, 6, 1983
Christopher Lake	July 11, 12, 13, 1983
Rosthern	July 18, 19, 20, 1983
Hanley	July 25, 26, 27, 1983
Indian Head	August 2, 3, 4, 1983
Regina Beach	August 8, 9, 10, 1983
Humboldt	August 15, 16, 17, 1983
Unity	August 22, 23, 24, 1983
Pelly	August 29, 30, 31, 1983
Gull Lake	September 6, 7, 8, 1983
Carnduff	September 12, 13, 14, 1983
Avonlea	September 19, 20, 21, 1983
Herbert	September 26, 27, 28, 1983
Semans	October 3, 4, 5, 1983
Beechy	October 11, 12, 13, 1983
Eatonia	October 17, 18, 19, 1983
Mossbank	October 24, 25, 26, 1983
White City	October 31, November 1, 2, 1983
Rouleau	November 7, 8, 9, 1983
Torquay	March 26, 27, 28, 1984

Table 8

Volunteer Firefighters' Training Schools, Saskatchewan, 1974-75 — 1983-84

Year	Number of training schools conducted	Number of persons registered
1974-75	33	730
1975-76	27	633
1976-77	30	889
1977-78	31	2,457
1978-79	28	2,564
1979-80	51	3,319
1980-81	49	3,230
1981-82	27	2,039
1982-83	33	2,046
1983-84	31	2,245

Table 9

Plans and Specifications of New Buildings Reviewed by Disposition, Saskatchewan, 1974-75 — 1983-84

Year	Total	Approved	Approved subject to alterations	Rejected or pending
1974-75	760	258	315	187
1975-76	862	263	388	211
1976-77	1,041	234	582	225
1977-78	1,592	495	601	496
1978-79	1,531	329	948	254
1979-80	1,439	547	654	238
1980-81	1,356	382	771	203
1981-82	1,254	333	747	174
1982-83	1,206	407	675	124
1983-84	1,406	505	754	147

Table 10

Investigation of Fires (Suspicious Circumstances) by Disposition, Saskatchewan, 1983-84

Disposition	Number
Total fires investigated	**234**
Suspect segments listed	263
Unfounded arson investigations	105
Persons suspected/concluded	47
Charges laid	53
Fires still under investigation	5
Investigations persons unknown	33
Undetermined	20
Investigations status unknown	—

Table 11

Investigation of Fires, Charges Laid, Saskatchewan, 1983-84

		Adult		Juvenile	
	Total	Male	Female	Male	Female
Total offences/charge laid	**53**	**46**	**1**	**6**	**—**
Cleared otherwise	7	1	—	6	—
Section 389(1)	20	19	1	—	—
Section 389(2)	9	9	—	—	—
Section 390	6	6	—	—	—
Section 392(1)	4	4	—	—	—
Section 306	1	1	—	—	—
Section 387	2	2	—	—	—
Section 388	—	—	—	—	—
Section 421	—	—	—	—	—
Others	2	2	—	—	—
Invalid	2	2	—	—	—

Note: The sections referred to above correspond to those within the *Criminal Code*.

Table 12

Investigation of Fires, Conclusion of Charges Laid, Saskatchewan, 1983-84

		Adult		Juvenile	
	Total	Male	Female	Male	Female
Total charges laid	**53**	**46**	**1**	**6**	**—**
Conclusion of charges					
Pending	18	17	1	—	—
Withdrawn	6	6	—	—	—
Stay of proceedings	—	—	—	—	—
Committed to mental institute	2	2	—	—	—
Convicted	17	17	—	—	—
Dismissed	1	1	—	—	—
Adjourned signe die	1	1	—	—	—
Invalid	8	2	—	6	—

Table 13

Number of Fire Investigations, Saskatchewan, 1974-75 — 1983-84

Year	Number
1974-75	93
1975-76	72
1976-77	106
1977-78	89
1978-79	95
1979-80	89
1980-81	148
1981-82	224
1982-83	222
1983-84	234

Table 14

Fire Loss Record in Urban Municipalities (Population over 1,000), Saskatchewan, January 1 - December 31, 1983

Urban municipality	Population*	Property loss†	Number of fires	Per capita loss
Total	**572,415**	**$14,797,895**	**1,858**	**$25.85**
Assiniboia	2,924	13,799	6	4.72
Battleford	3,565	27,202	16	7.63
Biggar	2,561	49,825	17	19.46
Canora	2,667	5,697	4	2.14
Carlyle	1,074	4,922	3	4.58
Carnduff	1,043	3,502	—	3.36
Carrot River	1,169	38,818	4	33.21
Coronach	1,032	14,421	4	13.97
Creighton	1,636	83,300	7	50.92
Dalmeny	1,064	—	—	—
Davidson	1,166	12,131	4	10.40
Esterhazy	3,065	2,474	3	0.81
Estevan	9,174	100,327	18	10.94
Eston	1,413	45,418	7	32.14
Foam Lake	1,452	406,400	12	279.89
Fort Qu'Appelle	1,827	22,892	7	12.53
Gravelbourg	1,338	7,462	5	5.58
Grenfell	1,307	—	—	—
Gull Lake	1,095	117,827	7	107.60
Herbert	1,019	951	2	0.93
Hudson Bay	2,362	716,617	14	303.39
Humboldt	4,705	463,509	29	98.51
Indian Head	1,889	3,351	4	1.77
Kamsack	2,688	33,914	5	12.62
Kelvington	1,054	63,143	11	59.91
Kerrobert	1,141	51,421	4	45.07
Kindersley	3,969	66,425	16	16.74
Kipling	1,016	25,000	1	24.61
Langenburg	1,324	19,908	6	15.04
Langham	1,151	197,200	4	171.33
Lanigan	1,732	1,653	4	0.95
La Ronge	2,579	121,652	14	47.17
Leader	1,108	—	—	—
Lloydminster‡	6,034	2,168,478	25	359.38
Lumsden	1,303	16,998	2	13.05
Maidstone	1,001	500	1	0.50
Maple Creek	2,470	17,987	10	7.28
Martensville	1,966	77,501	6	39.42

Table 14 (continued)

Fire Loss Record in Urban Municipalities (Population over 1,000), Saskatchewan, January 1 - December 31, 1983

Urban municipality	Population*	Property loss†	Number of fires	Per capita loss
Meadow Lake	3,857	$369,090	24	$95.69
Melfort	6,010	78,581	25	13.08
Melville	5,092	63,818	9	12.53
Moose Jaw	33,941	643,862	119	18.97
Moosomin	2,579	239,709	9	92.95
Nipawin	4,376	249,364	32	56.98
North Battleford	14,030	271,770	70	19.37
Outlook	1,976	62,363	7	31.56
Oxbow	1,191	105,890	4	88.91
Pilot Butte	1,255	6,875	1	5.48
Preeceville	1,243	59,021	8	47.48
Prince Albert	31,380	835,741	135	26.63
Radville	1,012	8,369	2	8.27
Regina	162,984	2,573,854	414	15.79
Rosetown	2,664	545,883	7	204.91
Rosthern	1,609	160,218	11	99.58
Saskatoon	154,210	1,861,757	523	12.07
Shaunavon	2,112	3,588	5	1.70
Shellbrook	1,228	195,303	12	159.04
Swift Current	14,747	122,193	40	8.29
Tisdale	3,107	490,848	19	157.98
Unity	2,408	20,748	4	8.62
Uranium City	2,748	8,603	4	3.13
Wadena	1,495	33,536	4	22.43
Wakaw	1,030	737	2	0.72
Warman	2,076	5,000	2	2.41
Watrous	1,830	69,207	17	37.82
Weyburn	9,523	249,716	32	26.22
Whitewood	1,003	25,816	4	25.74
Wilkie	1,501	6,701	3	4.46
Wynyard	2,147	12,782	3	5.95
Yorkton	15,339	414,327	22	27.01

*Source: 1984 Municipal Directory

†Based on reports of fire insurance company adjusters and fire chiefs.

‡Include only Saskatchewan portion of Lloydminster.

Table 15

Property Loss Due to Fire, Saskatchewan, 1974 — 1983

Year	Number of fires	Total loss reported	Dollar loss per fire
Ten-year average	**3,027**	**$25,004,639**	**$8,007**
1974	2,485	7,934,020	3,193
1975	2,452	21,728,909	8,862
1976	2,892	13,392,033	4,631
1977	3,092	18,474,821	5,975
1978	2,650	18,126,409	6,840
1979	3,264	29,037,247	8,896
1980	3,722	48,932,799	13,147
1981	3,257	31,138,114	9,560
1982	3,209	29,361,627	9,150
1983	3,251	31,920,418	9,819

Table 16

Fire Losses by Form of Heat of Ignition, Saskatchewan, 1983

Form of heat	Number of fires	Percent	Loss estimate	Percent
Total	**3,251**	**100.00%**	**$31,770,446**	**100.00%**
Spark, ember	187	5.75	1,526,466	4.81
Spark, electrical	589	18.12	3,357,070	10.58
Spark, static electrical	47	1.45	1,513,141	4.76
Direct flame	322	9.90	2,912,507	9.17
Friction heat	45	1.38	147,758	0.47
Hot object-direct heat	644	19.81	4,300,281	13.54
Spontaneous ignition	87	2.68	984,770	3.11
Heat from smokers' materials	241	7.42	2,030,620	6.36
Unclassified	18	0.55	147,691	0.46
Unknown	1,071	32.94	14,850,142	46.74

Note: The sums of individual items may not always equal the totals due to rounding.

Table 17

Fire Losses by Property Classification, Saskatchewan, January 1 - December 31, 1983

Class of property	Number of fires	Percent	Dollar loss	Percent
Total, all property classifications	**3,251**	**100.00%**	**$31,920,418**	**100.00%**
Assembly				
Total	**62**	**1.91**	**4,516,395**	**14.15**
Theatre, studio, auditorium	—	—	—	—
Amusement, recreation place	17	0.52	2,425,254	7.60
School, college, university	11	0.34	424,774	1.33
Church, court room, mortuary	4	0.12	265,001	0.83
Social, sport club	6	0.18	355,992	1.12
Library, museum	1	0.03	10,000	0.03
Eating establishment	22	0.68	1,035,373	3.24
Passenger terminal station	—	—	—	—
Miscellaneous	1	0.03	1	0.00
Institutional				
Total	**22**	**0.68**	**132,062**	**0.41**
Prison, jail, reformatory	6	0.18	307	0.00
Home for aged	4	0.12	2,277	0.01
Childrens' hospital	1	0.03	700	0.00
Hospital, sanatorium, clinic	10	0.31	122,937	0.39
Miscellaneous	1	0.03	5,841	0.02
Residential				
Total	**1,152**	**35.44**	**10,962,419**	**34.34**
Family residence, duplex	925	28.45	8,926,502	27.96
Apartment, tenement, flat	110	3.38	701,103	2.20
Rooming, boarding house	1	0.03	725	0.00
Hotel, inn, lodge	21	0.65	427,671	1.34
Motor hotel, motel	4	0.12	3,077	0.01
Dormitory	6	0.18	22,885	0.07
Mobile home, trailer	79	2.43	859,362	2.69
Miscellaneous	6	0.18	21,094	0.07
Business and personal service				
Total	**21**	**0.65**	**415,040**	**1.30**
Office	19	0.58	392,238	1.23
Personal service	1	0.03	200	0.00
Miscellaneous	1	0.03	22,602	0.07
Mercantile				
Total	**70**	**2.15**	**$2,544,914**	**7.97**
Food, beverage sales	10	0.31	399,912	1.25
Textiles, clothes sales	3	0.09	437,018	1.37
Furniture, appliance sales	3	0.09	119,700	0.37
Books, news, drug sales	8	0.25	7,249	0.02
Recreation, hobby supplies	3	0.09	104,739	0.33
Repair shop, dry cleaner	7	0.22	158,444	0.50
Motor vehicles, boats, sales & service	29	0.89	1,155,065	3.62
Department, variety store	3	0.09	152,500	0.48
Miscellaneous	4	0.12	10,267	0.03

Table 17 (continued)

Fire Losses by Property Classification, Saskatchewan, January 1 - December 31, 1983

Class of property	Number of fires	Percent	Dollar loss	Percent
Industrial manufacturing				
Total	**35**	**1.08%**	**2,047,565**	**6.41%**
Chemicals, paints, plastics	3	0.09	22,373	0.07
Wood, furniture, paper	5	0.15	21,803	0.07
Metal, electrical equipment	9	0.28	144,164	0.45
Food processing	13	0.40	1,859,221	5.82
Beverage, tobacco, soap	1	0.03	0	0.00
Footwear, clothes	—	—	—	—
Miscellaneous	3	0.09	3	0.00
Industrial storage				
Total	**149**	**4.58**	**2,817,468**	**8.83**
Agricultural products	25	0.77	1,732,278	5.43
Textiles fibres, clothing	—	—	—	—
Processed food, beverage	2	0.06	8,000	0.03
Flammable liquids, gases	1	0.03	132,408	0.41
Wood, furniture, paper	1	0.03	100	0.00
Chemicals, plastics, paints	—	—	—	—
Metal and electrical products	2	0.06	75,283	0.24
Vehicles	103	3.17	555,856	1.74
General item storage	15	0.46	313,543	0.98
Special property				
Total	**1,473**	**45.31**	**4,464,433**	**13.99**
Outdoor property	14	0.43	42,050	0.13
Pier, wharf	2	0.06	50,001	0.16
Under construction, vacant	12	0.37	185,980	0.58
Watercraft	16	0.49	67,965	0.21
Rail transport equipment	1	0.03	1	0.00
Ground transport vehicle	1,269	39.03	2,996,818	9.39
Aircraft	—	—	—	—
Special vehicles	157	4.83	1,104,333	3.46
Miscellaneous	2	0.06	17,285	0.05
Miscellaneous				
Total	**267**	**8.21**	**4,020,122**	**12.59**
Laboratories	3	0.09	6,501	0.02
Farm facility	117	3.60	2,600,587	8.15
Miscellaneous outbuildings	103	3.17	1,157,750	3.63
Utility	3	0.09	10,649	0.03
Cement, glass, pottery mfg.	—	—	—	—
Mining, quarrying	6	0.18	70,924	0.22
Communications, data processing	1	0.03	70,000	0.22
Miscellaneous	34	1.05	103,711	0.32

Note: The sums of individual items may not always equal the totals due to rounding.

Table 18

Fire Losses by Area of Origin of Fire, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Area of origin of fire	Number of fires	Dollar loss
All types of residences		
Total	**1,152**	**$10,901,269**
Means of egress	26	310,676
Assembly, sales area	165	1,451,502
Function area	678	5,704,497
Storage area	37	620,696
Service facility	57	441,500
Service and equipment area	50	501,707
Structural area	103	1,541,840
Vehicle area	10	53,915
Outside area or unknown	26	274,936
One and two family residences		
Total	**925**	**8,874,402**
Means of egress	13	243,095
Assembly, sales area	137	1,218,209
Function area	542	4,566,502
Storage area	32	536,246
Service facility	52	360,977
Service and equipment area	38	416,968
Structural area	96	1,295,989
Vehicle area	—	—
Outside area or unknown	15	236,416
Apartment		
Total	**110**	**701,053**
Means of egress	6	8,737
Assembly, sales area	19	21,072
Function area	69	549,316
Storage area	4	84,250
Service facility	2	6,123
Service and equipment area	6	3,005
Structural area	2	5,150
Vehicle area	—	—
Outside area or unknown	2	23,400

Table 18 (continued)

Fire Losses by Area of Origin of Fire, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Area of origin of fire	Number of fires	Dollar loss
Rooming or boarding house		
Total	**1**	**$ 725**
Means of egress	—	—
Assembly, sales area	—	—
Function area	1	725
Storage area	—	—
Service facility	—	—
Service and equipment area	—	—
Structural area	—	—
Vehicle area	—	—
Outside area or unknown	—	—
Hotel, inn or lodge		
Total	**21**	**427,671**
Means of egress	2	4,001
Assembly, sales area	1	1
Function area	12	98,668
Storage area	1	200
Service facility	1	69,800
Service and equipment area	2	20,001
Structural area	2	235,000
Vehicle area	—	—
Outside area or unknown	—	—
Motor hotel or motel		
Total	**4**	**3,077**
Means of egress	—	—
Assembly, sales area	1	2,575
Function area	3	502
Storage area	—	—
Service facility	—	—
Service and equipment area	—	—
Structural area	—	—
Vehicle area	—	—
Outside area or unknown	—	—

Table 18 (continued)

Fire Losses by Area of Origin of Fire, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Area of origin of fire	Number of fires	Dollar loss
Dormitory		
Total	**6**	**$ 22,885**
Means of egress	1	1
Assembly, sales area	1	1
Function area	3	18,150
Storage area	—	—
Service facility	—	—
Service and equipment area	1	4,733
Structural area	—	—
Vehicle area	—	—
Outside area or unknown	—	—
Mobile home or trailer		
Total	**79**	**850,362**
Means of egress	4	54,842
Assembly, sales area	6	209,644
Function area	44	455,540
Storage area	—	—
Service facility	2	4,600
Service and equipment area	2	53,000
Structural area	3	5,701
Vehicle area	10	53,915
Outside area or unknown	8	13,120
Miscellaneous		
Total	**6**	**21,094**
Means of egress	—	—
Assembly, sales area	—	—
Function area	4	15,094
Storage area	—	—
Service facility	—	—
Service and equipment area	1	4,000
Structural area	—	—
Vehicle area	—	—
Outside area or unknown	1	2,000

Table 19

Fire Losses by Act or Omission, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Act or omission	Number of fires	Dollar loss
All types of residences		
Total	**1,152**	**$10,901,269**
Arson and other fires	35	587,409
Misuse of heat	278	2,173,687
Misuse of materials	104	1,006,213
Malfunction	204	1,723,339
Deficiencies	37	264,560
Misuse of equipment	15	112,373
Human failings	124	553,721
Vehicle accidents	—	—
Unknown or miscellaneous	355	4,479,967
One and two family residences		
Total	**925**	**8,874,402**
Arson and other fires	23	360,207
Misuse of heat	210	1,678,245
Misuse of materials	93	961,903
Malfunction	172	1,536,773
Deficiencies	31	214,359
Misuse of equipment	11	73,339
Human failings	94	401,445
Vehicle accidents	—	—
Unknown or miscellaneous	291	3,648,131
Apartment		
Total	**110**	**701,053**
Arson and other fires	5	94,002
Misuse of heat	39	168,452
Misuse of materials	8	2,670
Malfunction	6	7,272
Deficiencies	2	3,001
Misuse of equipment	2	2,033
Human failings	22	59,055
Vehicle accidents	—	—
Unknown or miscellanous	26	364,568

Table 19 (continued)

Fire Losses by Act or Omission, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Act or omission	Number of fires	Dollar loss
Rooming or boarding house		
Total	**1**	**$ 725**
Arson and other fires	—	—
Misuse of heat	—	—
Misuse of materials	—	—
Malfunction	—	—
Deficiencies	—	—
Misuse of equipment	—	—
Human failings	1	725
Vehicle accidents	—	—
Unknown cr miscellaneous	—	—
Hotel, inn or lodge		
Total	**21**	**427,671**
Arson and other fires	2	73,800
Misuse of heat	10	238,400
Misuse of materials	—	—
Malfunction	5	21,503
Deficiencies	—	—
Misuse of equipment	—	--
Human failings	1	40,000
Vehicle accidents	—	—
Unknown or miscellaneous	3	53,898
Motor hotel or motel		
Total	**4**	**3,077**
Arson and other fires	—	—
Misuse of heat	2	2,576
Misuse of materials	—	—
Malfunction	1	500
Deficiencies	—	—
Misuse of equipment	—	—
Human failings	—	—
Vehicle accidents	—	—
Unknown or miscellanous	1	1

Table 19 (continued)

Fire Losses by Act or Omission, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Act or omission	Number of fires	Dollar loss
Dormitory		
Total	**6**	**$ 22,885**
Arson and other fires	—	—
Misuse of heat	3	1,502
Misuse of materials	—	—
Malfunction	1	4,733
Deficiencies	—	—
Misuse of equipment	—	—
Human failings	—	—
Vehicle accidents	—	—
Unknown or miscellaneous	2	16,650
Mobile home or trailer		
Total	**79**	**850,362**
Arson and other fires	4	57,400
Misuse of heat	14	84,442
Misuse of materials	2	37,640
Malfunction	19	152,558
Deficiencies	4	47,200
Misuse of equipment	2	37,001
Human failings	6	52,496
Vehicle accidents	—	—
Unknown or miscellaneous	28	381,625
Miscellaneous		
Total	**6**	**21,094**
Arson and other fires	1	2,000
Misuse of heat	—	—
Misuse of materials	1	4,000
Malfunction	—	—
Deficiencies	—	—
Misuse of equipment	—	—
Human failings	—	—
Vehicle accidents	—	—
Unknown or miscellanous	4	15,094

Table 20

Fire Losses by Source of Heat of Ignition, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Source of heat of ignition	Number of fires	Dollar loss
All types of residences		
Total	**1,152**	**$10,901,269**
Heating equipment	162	1,595,636
Cooking equipment	252	1,213,572
Smokers' materials	169	1,306,590
Electric distribution equipment	83	1,168,202
Electric appliances	41	796,023
Non-electric appliances	40	88,534
Open flames	142	687,621
Exposure	27	293,071
Unknown or miscellaneous	236	3,752,020
One and two family residences		
Total	**925**	**8,874,402**
Heating equipment	140	1,436,214
Cooking equipment	213	985,920
Smokers' materials	121	1,079,736
Electric distribution equipment	73	1,055,782
Electric appliances	32	245,926
Non-electric appliances	34	85,875
Open flames	113	578,735
Exposure	21	275,342
Unknown or miscellaneous	178	3,130,872
Apartment		
Total	**110**	**701,053**
Heating equipment	6	11,149
Cooking equipment	25	11,038
Smokers' materials	33	151,553
Electric distribution equipment	1	1
Electric appliances	5	311,384
Non-electric appliances	2	219
Open flames	18	68,168
Exposure	—	—
Unknown or miscellaneous	20	147,541

Table 20 (continued)

Fire Losses by Source of Heat of Ignition, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Source of heat of ignition	Number of fires	Dollar loss
Rooming or boarding house		
Total	**1**	**$ 725**
Heating equipment	—	—
Cooking equipment	—	—
Smokers' materials	1	725
Electric distribution equipment	—	—
Electric appliances	—	—
Non-electric appliances	—	—
Open flames	—	—
Exposure	—	—
Unknown or miscellaneous	—	—
Hotel, inn or lodge		
Total	**21**	**427,671**
Heating equipment	1	20,000
Cooking equipment	3	93,101
Smokers' materials	9	3,470
Electric distribution equipment	2	1
Electric appliances	1	235,000
Non-electric appliances	1	1,500
Open flames	2	4,001
Exposure	—	—
Unknown or miscellaneous	2	70,598
Motor hotel or motel		
Total	**4**	**3,077**
Heating equipment	—	—
Cooking equipment	—	—
Smokers' materials	1	2,575
Electric distribution equipment	—	—
Electric appliances	1	500
Non-electric appliances	1	1
Open flames	1	1
Exposure	—	—
Unknown or miscellaneous	—	—

Table 20 (continued)

Fire Losses by Source of Heat of Ignition, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Source of heat of ignition	Number of fires	Dollar loss
Dormitory		
Total	**6**	**$ 22,885**
Heating equipment	1	4,733
Cooking equipment	—	—
Smokers' materials	1	1
Electric distribution equipment	—	—
Electric appliances	—	—
Non-electric appliances	—	—
Open flames	1	1
Exposure	—	—
Unknown or miscellaneous	3	18,150
Mobile home or trailer		
Total	**79**	**850,362**
Heating equipment	13	119,540
Cooking equipment	10	119,669
Smokers' materials	3	68,530
Electric distribution equipment	7	112,418
Electric appliances	2	3,213
Non-electric appliances	2	939
Open flames	7	36,715
Exposure	5	6,729
Unknown or miscellaneous	30	382,609
Miscellaneous		
Total	**6**	**21,094**
Heating equipment	1	4,000
Cooking equipment	1	3,844
Smokers' materials	—	—
Electric distribution equipment	—	—
Electric appliances	—	—
Non-electric appliances	—	—
Open flames	—	—
Exposure	1	11,000
Unknown or miscellaneous	3	2,250

Table 21

Fire Losses by Material First Ignited, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Material first ignited	Number of fires	Dollar loss
All types of residences		
Total	**1,152**	**$10,901,269**
Structural	234	2,013,907
Furniture	208	1,301,531
Clothing or textiles	58	509,795
Wood products	97	681,255
Flammable liquids	192	1,168,815
Flammable gases	16	148,959
Chemicals	11	38,451
Agricultural	17	129,805
Unknown or miscellaneous	319	4,908,751
One and two family residences		
Total	**925**	**8,874,402**
Structural	197	1,738,741
Furniture	162	1,075,963
Clothing or textiles	36	187,472
Wood products	73	600,028
Flammable liquids	164	975,344
Flammable gases	7	50,513
Chemicals	10	30,951
Agricultural	17	129,805
Unknown or miscellaneous	259	4,085,585
Apartment		
Total	**110**	**701,053**
Structural	19	76,949
Furniture	31	147,192
Clothing or textiles	16	310,807
Wood products	17	43,814
Flammable liquids	17	50,021
Flammable gases	1	1
Chemicals	—	—
Agricultural	—	—
Unknown or miscellaneous	9	72,269

Table 21 (continued)

Fire Losses by Material First Ignited, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Material first ignited	Number of fires	Dollar loss
Rooming or boarding house		
Total	**1**	**$ 725**
Structural	—	—
Furniture	1	725
Clothing or textiles	—	—
Wood products	—	—
Flammable liquids	—	—
Flammable gases	—	—
Chemicals	—	—
Agricultural	—	—
Unknown or miscellaneous	—	—
Hotel, inn or lodge		
Total	**21**	**427,671**
Structural	1	—
Furniture	7	3,120
Clothing or textiles	1	1,500
Wood products	2	350
Flammable liquids	2	4,001
Flammable gases	3	93,101
Chemicals	—	—
Agricultural	—	—
Unknown or miscellaneous	5	325,599
Motor hotel or motel		
Total	**4**	**3,077**
Structural	—	—
Furniture	1	1
Clothing or textiles	2	2,576
Wood products	—	—
Flammable liquids	—	—
Flammable gases	—	—
Chemicals	—	—
Agricultural	—	—
Unknown or miscellaneous	1	500

Table 21 (continued)

Fire Losses by Material First Ignited, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Material first ignited	Number of fires	Dollar loss
Dormitory		
Total	**6**	**$ 22,885**
Structural	—	—
Furniture	—	—
Clothing or textiles	—	—
Wood products	1	1
Flammable liquids	1	1
Flammable gases	1	4,733
Chemicals	—	—
Agricultural	—	—
Unknown or miscellaneous	3	18,150
Mobile home or trailer		
Total	**79**	**850,362**
Structural	16	194,217
Furniture	6	74,530
Clothing or textiles	3	7,440
Wood products	4	37,062
Flammable liquids	8	139,448
Flammable gases	4	611
Chemicals	1	750
Agricultural	—	—
Unknown or miscellaneous	37	389,554
Miscellaneous		
Total	**6**	**21,094**
Structural	1	4,000
Furniture	—	—
Clothing or textiles	—	—
Wood products	—	—
Flammable liquids	—	—
Flammable gases	—	—
Chemicals	—	—
Agricultural	—	—
Unknown or miscellaneous	5	17,094

Table 22

Fire Losses by Form of Heat of Ignition, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Form of heat of ignition	Number of fires	Dollar loss
All types of residences		
Total	**1,152**	**$10,901,269**
Spark or ember	74	641,847
Electrical spark	131	1,255,063
Static electrical spark	16	203,422
Direct flame	163	1,151,995
Friction heat	6	11,668
Hot object	335	2,626,111
Spontaneous ignition	34	202,360
Heat-smokers' materials	170	1,331,965
Unknown or miscellaneous	223	3,476,838
One and two family residences		
Total	**925**	**8,874,402**
Spark or ember	61	625,396
Electrical spark	120	1,132,075
Static electrical spark	16	203,422
Direct flame	130	885,978
Friction heat	2	1
Hot object	275	1,871,664
Spontaneous ignition	30	167,758
Heat-smokers' materials	119	1,094,728
Unknown or miscellaneous	172	2,893,380
Apartment		
Total	**110**	**701,053**
Spark or ember	4	5,666
Electrical spark	4	7,270
Static electrical spark	—	—
Direct flame	13	66,875
Friction heat	—	—
Hot object	38	322,251
Spontaneous ignition	—	—
Heat-smokers' materials	38	187,603
Unknown or miscellaneous	13	111,388

Table 22 (continued)

Fire Losses, by Form of Heat of Ignition, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Form of heat of ignition	Number of fires	Dollar loss
Rooming or boarding house		
Total	**1**	**$ 725**
Spark or ember	—	—
Electrical spark	—	—
Static electrical spark	—	—
Direct flame	—	—
Friction heat	—	—
Hot object	—	—
Spontaneous ignition	—	—
Heat-smokers' materials	1	725
Unknown or miscellaneous	—	—
Hotel, inn or lodge		
Total	**21**	**427,671**
Spark or ember	—	—
Electrical spark	—	—
Static electrical spark	—	—
Direct flame	7	119,119
Friction heat	—	—
Hot object	4	235,152
Spontaneous ignition	—	—
Heat-smokers' materials	7	2,802
Unknown or miscellaneous	3	70 598
Motor hotel or motel		
Total	**4**	**3,077**
Spark or ember	—	—
Electrical spark	1	500
Static electrical spark	—	—
Direct flame	—	—
Friction heat	—	—
Hot object	—	—
Spontaneous ignition	—	—
Heat-smokers' materials	2	2,576
Unknown or miscellaneous	1	1

Table 22 (continued)

Fire Losses by Form of Heat of Ignition, According to Type of Residence, Saskatchewan, January 1 - December 31, 1983

Form of heat of ignition	Number of fires	Dollar loss
Dormitory		
Total	**6**	**$ 22,885**
Spark or ember	—	—
Electrical spark	—	—
Static electrical spark	—	—
Direct flame	1	1
Friction heat	—	—
Hot object	—	--
Spontaneous ignition	1	15,000
Heat-smokers' materials	1	1
Unknown or miscellaneous	3	7,883
Mobile home or trailer		
Total	**79**	**850,362**
Spark or ember	9	10,785
Electrical spark	6	115,218
Static electrical spark	—	—
Direct flame	12	80,022
Friction heat	4	11,667
Hot object	16	189,200
Spontaneous ignition	2	8,602
Heat-smokers' materials	2	43,530
Unknown or miscellaneous	28	391,338
Miscellaneous		
Total	**6**	**21,094**
Spark or ember	—	—
Electrical spark	—	—
Static electrical spark	—	—
Direct flame	—	—
Friction heat	—	—
Hot object	2	7,844
Spontaneous ignition	1	11,000
Heat-smokers' materials	—	—
Unknown or miscellaneous	3	2,250

Table 23

Fire Losses by Area of Origin of Fire, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Area of origin of fire	Number of fires	Percent	Dollar loss	Percent
All property classifications				
Total	**3,251**	**100.00%**	**$31,770,446**	**100.00%**
Means of egress	38	1.17	638,801	2.01
Assembly, sales area	180	5.54	2,019,685	6.36
Function area	860	26.45	13,689,717	43.09
Storage area	173	5.32	3,157,978	9.94
Service facility	70	2.15	664,146	2.09
Service and equipment area	119	3.66	1,979,733	6.23
Structural area	191	5.88	4,488,490	14.13
Vehicle area	1,438	44.23	4,047,435	12.74
Outside area	178	5.48	997,706	3.14
Unknown	4	0.12	86,755	0.27
Assembly				
Total	**62**	**1.91**	**4,516,395**	**14.25**
Means of egress	4	0.12	207,231	0.65
Assembly, sales area	8	0.25	150,928	0.48
Function area	31	0.95	3,430,872	10.83
Storage area	2	0.06	134,790	0.43
Service facility	—	—	—	—
Service and equipment area	2	0.06	7,226	0.02
Structural area	13	0.40	577,035	1.82
Vehicle area	—	—	—	—
Outside area	2	0.06	8,313	0.03
Institutional				
Total	**22**	**0.68**	**132,062**	**0.42**
Means of egress	—	—	—	—
Assembly, sales area	—	—	—	—
Function area	15	0.46	109,010	0.34
Storage area	1	0.03	2,274	0.01
Service facility	2	0.06	13,736	0.04
Service and equipment area	2	0.06	501	0.00
Structural area	2	0.06	6,541	0.02
Vehicle area	—	—	—	—
Outside area	—	—	—	—

Table 23 (continued)

Fire Losses by Area of Origin of Fire, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Area of origin of fire	Number of fires	Percent	Dollar loss	Percent
Residential				
Total	**1,151**	**35.45%**	**$10,826,269**	**34.17%**
Means of egress	26	0.80	310,676	0.98
Assembly, sales area	165	5.08	1,451,502	4.58
Function area	678	20.88	5,704,497	18.00
Storage area	36	1.11	619,696	1.96
Service facility	57	1.76	441,500	1.39
Service and equipment area	50	1.54	501,707	1.58
Structural area	103	3.17	1,541,840	4.87
Vehicle area	11	0.34	54,915	0.17
Outside area	25	0.77	199,936	0.63
Business and personal service				
Total	**21**	**0.65**	**415,039**	**1.31**
Means of egress	1	0.03	889	0.00
Assembly, sales area	1	0.03	140	0.00
Function area	13	0.40	183,717	0.58
Storage area	2	0.06	227,455	0.72
Service facility	1	0.03	—	—
Service and equipment area	1	0.03	—	—
Structural area	2	0.06	2,838	0.01
Vehicle area	—	—	—	—
Outside area	—	—	—	—
Mercantile				
Total	**70**	**2.16**	**2,544,914**	**8.03**
Means of egress	4	0.12	120,003	0.38
Assembly, sales area	4	0.12	416,265	1.31
Function area	17	0.52	318,824	1.01
Storage area	13	0.40	491,459	1.55
Service facility	2	0.06	440	0.00
Service and equipment area	18	0.55	838,296	2.65
Structural area	9	0.28	287,282	0.91
Vehicle area	—	—	—	—
Outside area	3	0.09	72,345	0.23

Table 23 (continued)

Fire Losses by Area of Origin of Fire, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Area of origin of fire	Number of fires	Percent	Dollar loss	Percent
Industrial manufacturing				
Total	**35**	**1.08%**	**$ 2,047,565**	**6.46%**
Means of egress	1	0.03	1	0.00
Assembly, sales area	1	0.03	—	—
Function area	11	0.34	1,591,054	5.02
Storage area	6	0.18	252,646	0.80
Service facility	1	0.03	40,000	0.13
Service and equipment area	8	0.25	3,340	0.01
Structural area	4	0.12	139,482	0.44
Vehicle area	—	—	—	—
Outside area	3	0.09	21,042	0.07
Industrial storage				
Total	**149**	**4.59**	**2,730,037**	**8.62**
Means of egress	—	—	—	—
Assembly, sales area	—	—	—	—
Function area	13	0.40	465,408	1.47
Storage area	79	2.43	518,973	1.64
Service facility	6	0.18	167,650	0.53
Service and equipment area	8	0.25	216,064	0.68
Structural area	22	0.68	1,302,261	4.11
Vehicle area	6	0.18	25,773	0.08
Outside area	15	0.46	33,908	0.11
Special property				
Total	**1,472**	**45.33**	**4,454,118**	**14.06**
Means of egress	1	0.03	1	0.00
Assembly, sales area	—	—	—	—
Function area	15	0.46	95,506	0.30
Storage area	3	0.09	20,205	0.06
Service facility	—	—	—	—
Service and equipment area	4	0.12	23,451	0.07
Structural area	3	0.09	132,349	0.42
Vehicle area	1,415	43.58	3,912,599	12.35
Outside area	31	0.95	270,007	0.85

Table 23 (continued)

Fire Losses by Area of Origin of Fire, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Area of origin of fire	Number of fires	Percent	Dollar loss	Percent
Miscellaneous				
Total	**265**	**8.16%**	**$ 4,017,292**	**12.68%**
Means of egress	1	0.03	—	—
Assembly, sales area	1	0.03	850	0.00
Function area	67	2.06	1,790,829	5.65
Storage area	31	0.95	890,480	2.81
Service facility	1	0.03	820	0.00
Service and equipment area	26	0.80	389,148	1.23
Structural area	33	1.02	498,862	1.57
Vehicle area	6	0.18	54,148	0.17
Outside area	99	3.05	392,155	1.24
Unknown	4	0.12	86,755	0.27

Note: The sums of individual items may not always equal the totals due to rounding.

Table 24

Fire Losses by Act or Omission, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Act or omission	Number of fires	Percent	Dollar loss	Percent
All property classifications				
Total	**3,251**	**100.00%**	**$31,770,446**	**100.00%**
Incendiary or set fires	108	3.32	2,475,781	7.79
Misuse of source of ignition	460	14.15	3,707,853	11.67
Misuse of material ignited	162	4.98	1,408,102	4.43
Mechanical failure	999	30.73	5,721,313	18.01
Design deficiency	52	1.60	1,055,571	3.32
Misuse of equipment	23	0.71	126,457	0.40
Human failing	138	4.24	682,786	2.15
Vehicle accident	21	0.65	270,203	0.85
Miscellaneous	1,288	39.62	16,322,380	51.38
Assembly				
Total	**62**	**1.91**	**4,516,395**	**14.22**
Incendiary or set fires	15	0.46	1,330,302	4.19
Misuse of source of ignition	9	0.28	398,765	1.26
Misuse of material ignited	3	0.09	41,369	0.13
Mechanical failure	8	0.25	221,361	0.70
Design deficiency	1	0.03	1,000	0.00
Misuse of equipment	1	0.03	1,432	0.00
Human failing	1	0.03	1	0.00
Vehicle accident	—	—	—	—
Miscellaneous	24	0.74	2,522,165	7.94
Institutional				
Total	**22**	**0.68**	**132,062**	**0.42**
Incendiary or set fires	1	0.03	179	0.00
Misuse of source of ignition	5	0.15	2,976	0.01
Misuse of material ignited	1	0.03	1	0.00
Mechanical failure	7	0.22	105,969	0.33
Design deficiency	—	—	—	—
Misuse of equipment	—	—	—	—
Human failing	2	0.06	2	0.00
Vehicle accident	—	—	—	—
Miscellaneous	6	0.18	22,935	0.07

Table 24 (continued)

Fire Losses by Act or Omission, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Act or omission	Number of fires	Percent	Dollar loss	Percent
Residential				
Total	**1,152**	**35.44%**	**$10,901,269**	**34.31%**
Incendiary or set fires	35	1.08	587,409	1.85
Misuse of source of ignition	278	8.55	2,173,687	6.84
Misuse of material ignited	104	3.20	1,006,213	3.17
Mechanical failure	204	6.27	1,723,339	5.42
Design deficiency	37	1.14	264,560	0.83
Misuse of equipment	15	0.46	112,373	0.35
Human failing	124	3.81	553,721	1.74
Vehicle accident	—	—	—	—
Miscellaneous	355	10.92	4,479,967	14.10
Business and personal service				
Total	**21**	**0.65**	**415,039**	**1.31**
Incendiary or set fires	4	0.12	249,827	0.79
Misuse of source of ignition	5	0.15	89,780	0.28
Misuse of material ignited	—	—	—	—
Mechanical failure	5	0.15	4,030	0.01
Design deficiency	—	—	—	—
Misuse of equipment	1	0.03	200	0.00
Human failing	—	—	—	—
Vehicle accident	—	—	—	—
Miscellaneous	6	0.18	71,202	0.22
Mercantile				
Total	**70**	**2.15**	**2,544,914**	**8.01**
Incendiary or set fires	7	0.22	175,239	0.55
Misuse of source of ignition	9	0.28	244,174	0.77
Misuse of material ignited	8	0.25	137,387	0.43
Mechanical failure	18	0.55	858,633	2.70
Design deficiency	1	0.03	11,949	0.04
Misuse of equipment	—	—	—	—
Human failing	1	0.03	12,745	0.04
Vehicle accident	—	—	—	—
Miscellaneous	26	0.80	1,104,787	3.48

Table 24 (continued)

Fire Losses by Act or Omission, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Act or omission	Number of fires	Percent	Dollar loss	Percent
Industrial manufacturing				
Total	**35**	**1.08%**	**$ 2,047,565**	**6.44%**
Incendiary or set fires	1	0.03	40,000	0.13
Misuse of source of ignition	6	0.18	11,629	0.04
Misuse of material ignited	1	0.03	600	0.00
Mechanical failure	10	0.31	143,846	0.45
Design deficiency	—	—	—	—
Misuse of equipment	—	—	—	—
Human failing	1	0.03	—	—
Vehicle accident	—	—	—	—
Miscellaneous	16	0.49	1,851,490	5.83
Industrial storage				
Total	**149**	**4.58**	**2,730,037**	**8.59**
Incendiary or set fires	5	0.15	13,601	0.04
Misuse of source of ignition	25	0.77	348,868	1.10
Misuse of material ignited	15	0.46	75,991	0.24
Mechanical failure	26	0.80	177,044	0.56
Design deficiency	5	0.15	756,489	2.38
Misuse of equipment	3	0.09	7,751	0.02
Human failing	4	0.12	93,465	0.29
Vehicle accident	—	—	—	—
Miscellaneous	66	2.03	1,256,828	3.96
Special property				
Total	**1,473**	**45.31**	**4,463,043**	**14.05**
Incendiary or set fires	33	1.02	70,571	0.22
Misuse of source of ignition	67	2.06	141,273	0.44
Misuse of material ignited	18	0.55	81,876	0.26
Mechanical failure	673	20.70	1,350,376	4.25
Design deficiency	6	0.18	21,312	0.07
Misuse of equipment	3	0.09	4,701	0.01
Human failing	1	0.03	7,352	0.02
Vehicle accident	21	0.65	270,203	0.85
Miscellaneous	651	20.02	2,515,379	7.92

Table 24 (continued)

Fire Losses by Act or Omission, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Act or omission	Number of fires	Percent	Dollar loss	Percent
Miscellaneous				
Total	**267**	**8.21%**	**$ 4,020,122**	**12.65%**
Incendiary or set fires	7	0.22	8,653	0.03
Misuse of source of ignition	56	1.72	296,701	0.93
Misuse of material ignited	12	0.37	64,665	0.20
Mechanical failure	48	1.48	1,136,715	3.58
Design deficiency	2	0.06	261	0.00
Misuse of equipment	—	—	—	—
Human failing	4	0.12	15,500	0.00
Vehicle accident	—	—	—	—
Miscellaneous	138	4.24	2,497,627	7.86

Note: The sums of individual items may not always equal the totals due to rounding.

Table 25

Fire Losses by Source of Heat of Ignition, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Source of heat of ignition	Number of fires	Percent	Dollar loss	Percent
All property classifications				
Total	**3,251**	**100.00%**	**$31,770,446**	**100.00%**
Heating equipment	238	7.32	2,551,277	8.03
Cooking equipment	282	8.67	1,239,097	3.90
Smokers' materials	239	7.35	1,871,302	5.89
Electrical distribution equipment	432	13.29	3,136,244	9.87
Electrical appliances	76	2.34	1,322,950	4.16
Other appliances	323	9.94	780,274	2.46
Open flames	311	9.57	2,777,994	8.74
Exposure	111	3.41	708,371	2.23
Miscellaneous	1,239	38.11	17,382,937	54.71
Assembly				
Total	**62**	**1.91**	**4,516,395**	**14.22**
Heating equipment	2	0.06	7,000	0.02
Cooking equipment	10	0.31	7,538	0.02
Smokers' materials	3	0.09	245,001	0.77
Electrical distribution equipment	2	0.06	205,357	0.65
Electrical appliances	1	0.03	1	0.00
Other appliances	2	0.06	10,001	0.03
Open flames	14	0.43	1,038,076	3.27
Exposure	3	0.09	13,001	0.04
Miscellaneous	25	0.77	2,990,420	9.41
Institutional				
Total	**22**	**0.68**	**132,062**	**0.42**
Heating equipment	3	0.09	19,577	0.06
Cooking equipment	1	0.03	1	0.00
Smokers' materials	7	0.22	2,657	0.01
Electrical distribution equipment	4	0.12	100,126	0.32
Electrical appliances	2	0.06	1,001	0.00
Other appliances	1	0.03	1	0.00
Open flames	3	0.09	6,700	0.02
Exposure	—	—	—	—
Miscellaneous	1	0.03	1,999	0.01

Table 25 (continued)

Fire Losses by Source of Heat of Ignition, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Source of heat of ignition	Number of fires	Percent	Dollar loss	Percent
Residential				
Total	**1,152**	**35.44%**	**$10,901,269**	**34.31%**
Heating equipment	162	4.98	1,595,636	5.02
Cooking equipment	252	7.75	1,213,572	3.82
Smokers' materials	169	5.20	1,306,590	4.11
Electrical distribution equipment	83	2.55	1,168,202	3.68
Electrical appliances	41	1.26	796,023	2.51
Other appliances	40	1.23	88,534	0.28
Open flames	142	4.37	687,621	2.16
Exposure	27	0.83	293,071	0.92
Miscellaneous	236	7.26	3,752,020	11.81
Business and personal service				
Total	**21**	**0.65**	**415,039**	**1.31**
Heating equipment	—	—	—	—
Cooking equipment	1	0.03	1	0.00
Smokers' materials	5	0.15	89,780	0.28
Electrical distribution equipment	1	0.03	304	0.00
Electrical appliances	3	0.09	889	0.00
Other appliances	1	0.03	200	0.00
Open flames	1	0.03	250	0.00
Exposure	1	0.03	2,837	0.01
Miscellaneous	8	0.25	320,778	1.01
Mercantile				
Total	**70**	**2.15**	**2,544,914**	**8.01**
Heating equipment	9	0.28	396,609	1.25
Cooking equipment	1	0.03	1,500	0.00
Smokers' materials	3	0.09	8,556	0.03
Electrical distribution equipment	8	0.25	321,836	1.01
Electrical appliances	5	0.15	336,850	1.06
Other appliances	3	0.09	38,871	0.12
Open flames	12	0.37	456,235	1.44
Exposure	4	0.12	76,315	0.24
Miscellaneous	25	0.77	908,142	2.86

Table 25 (continued)

Fire Losses by Source of Heat of Ignition, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Source of heat of ignition	Number of fires	Percent	Dollar loss	Percent
Industrial manufacturing				
Total	**35**	**1.08%**	**$ 2,047,565**	**6.44%**
Heating equipment	4	0.12	34,544	0.11
Cooking equipment	2	0.06	600	0.00
Smokers' materials	1	0.03	1,800	0.01
Electrical distribution equipment	1	0.03	1	0.00
Electrical appliances	3	0.09	122,806	0.39
Other appliances	1	0.03	8,000	0.03
Open flames	6	0.18	26,043	0.08
Exposure	2	0.06	801	0.00
Miscellaneous	15	0.46	1,852,970	5.83
Industrial storage				
Total	**149**	**4.58**	**2,730,037**	**8.59**
Heating equipment	15	0.46	85,196	0.27
Cooking equipment	4	0.12	12,604	0.04
Smokers' materials	6	0.18	166,951	0.53
Electrical distribution equipment	15	0.46	115,247	0.36
Electrical appliances	4	0.12	12,809	0.04
Other appliances	3	0.09	86,092	0.27
Open flames	23	0.71	162,381	0.51
Exposure	15	0.46	54,531	0.17
Miscellaneous	64	1.97	2,034,226	6.40
Special property				
Total	**1,473**	**45.31**	**4,463,043**	**14.05**
Heating equipment	22	0.68	79,880	0.25
Cooking equipment	5	0.15	1,387	0.00
Smokers' materials	37	1.14	48,688	0.15
Electrical distribution equipment	295	9.07	543,606	1.71
Electrical appliances	15	0.46	23,133	0.07
Other appliances	267	8.21	523,188	1.65
Open flames	65	2.00	177,138	0.56
Exposure	27	0.83	111,763	0.35
Miscellaneous	740	22.76	2,954,260	9.30

Table 25 (continued)

Fire Losses by Source of Heat of Ignition, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Source of heat of ignition	Number of fires	Percent	Dollar loss	Percent
Miscellaneous				
Total	**267**	**8.21%**	**$ 4,020,122**	**12.65%**
Heating equipment	21	0.65	332,835	1.05
Cooking equipment	6	0.18	1,894	0.01
Smokers' materials	8	0.25	1,279	0.00
Electrical distribution equipment	23	0.71	681,565	2.15
Electrical appliances	2	0.06	29,438	0.09
Other appliances	5	0.15	25,387	0.08
Open flames	45	1.38	223,550	0.70
Exposure	32	0.98	156,052	0.49
Miscellaneous	125	3.84	2,568,122	8.08

Note: The sums of individual items may not always equal totals due to rounding.

Table 26

Fire Losses by Material First Ignited, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Material first ignited	Number of fires	Percent	Dollar loss	Percent
All property classifications				
Total	**3,251**	**100.00%**	**$31,770,446**	**100.00%**
Building materials	366	11.26	5,874,992	18.49
Furnishings	269	8.27	1,402,209	4.41
Clothing, textiles	82	2.52	561,447	1.77
Wood, paper products	185	5.69	2,038,180	6.42
Flammable liquids	567	17.44	3,528,044	11.10
Flammable gases	50	1.54	598,305	1.88
Chemicals	44	1.35	206,780	0.65
Agricultural, forestry products	174	5.35	2,281,044	7.18
Miscellaneous	1,514	46.57	15,279,445	48.09
Assembly				
Total	**62**	**1.91**	**4,516,395**	**14.22**
Building materials	18	0.55	951,024	2.99
Furnishings	—	—	—	—
Clothing, textiles	3	0.09	31,002	0.10
Wood, paper products	6	0.18	260,300	0.82
Flammable liquids	14	0.43	614,353	1.93
Flammable gases	1	0.03	91,000	0.29
Chemicals	—	—	—	—
Agricultural, forestry products	4	0.12	190,002	0.60
Miscellaneous	16	0.49	2,378,714	7.49
Institutional				
Total	**22**	**0.68**	**132,062**	**0.42**
Building materials	4	0.12	14,936	0.05
Furnishings	4	0.12	381	0.00
Clothing, textiles	1	0.03	5,500	0.02
Wood, paper products	3	0.09	2,276	0.01
Flammable liquids	2	0.06	100,001	0.31
Flammable gases	1	0.03	5,841	0.02
Chemicals	1	0.03	1,000	0.00
Agricultural, forestry products	—	—	—	—
Miscellaneous	6	0.18	2,127	0.01

Table 26 (continued)

Fire Losses by Material First Ignited, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Material first ignited	Number of fires	Percent	Dollar loss	Percent
Residential				
Total	**1,152**	**35.44%**	**$10,901,269**	**34.31%**
Building materials	234	7.20	2,013,907	6.34
Furnishings	208	6.40	1,301,531	4.10
Clothing, textiles	58	1.78	509,795	1.60
Wood, paper products	97	2.98	681,255	2.14
Flammable liquids	192	5.91	1,168,815	3.68
Flammable gases	16	0.49	148,959	0.47
Chemicals	11	0.34	38,451	0.12
Agricultural, forestry products	17	0.52	129,805	0.41
Miscellaneous	319	9.81	4,908,751	15.45
Business and personal service				
Total	**21**	**0.65**	**415,039**	**1.31**
Building materials	2	0.06	3,141	0.01
Furnishings	5	0.15	46,311	0.15
Clothing, textiles	1	0.03	200	0.00
Wood, paper products	5	0.15	87,322	0.27
Flammable liquids	1	0.03	1	0.00
Flammable gases	—	—	—	—
Chemicals	—	—	—	—
Agricultural, forestry products	—	—	—	—
Miscellaneous	7	0.22	278,064	0.88
Mercantile				
Total	**70**	**2.15**	**2,544,914**	**8.01**
Building materials	11	0.34	652,005	2.05
Furnishings	1	0.03	1	0.00
Clothing, textiles	2	0.06	2	0.00
Wood, paper products	13	0.40	170,976	0.54
Flammable liquids	9	0.28	317,267	1.00
Flammable gases	4	0.12	120,002	0.38
Chemicals	1	0.03	70,000	0.22
Agricultural, forestry products	1	0.03	107,170	0.34
Miscellaneous	28	0.86	1,107,491	3.49

Table 26 (continued)

Fire Losses by Material First Ignited, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Material first ignited	Number of fires	Percent	Dollar loss	Percent
Industrial manufacturing				
Total	**35**	**1.08%**	**$ 2,047,565**	**6.44%**
Building materials	5	0.15	27,661	0.09
Furnishings	—	—	—	—
Clothing, textiles	1	0.03	1,646	0.01
Wood, paper products	8	0.25	441,160	1.39
Flammable liquids	4	0.12	35,143	0.11
Flammable gases	1	0.03	7,681	0.02
Chemicals	1	0.03	—	—
Agricultural, forestry products	5	0.15	1,027,065	3.23
Miscellaneous	10	0.31	507,209	1.60
Industrial storage				
Total	**149**	**4.58**	**2,730,037**	**8.59**
Building materials	34	1.05	1,361,000	4.28
Furnishings	3	0.09	2,101	0.01
Clothing, textiles	1	0.03	6,009	0.02
Wood, paper products	21	0.65	243,187	0.77
Flammable liquids	18	0.55	282,945	0.89
Flammable gases	2	0.06	651	0.00
Chemicals	1	0.03	4,000	0.01
Agricultural, forestry products	9	0.28	27,478	0.09
Miscellaneous	60	1.85	802,666	2.53
Special property				
Total	**1,473**	**45.31**	**4,463,043**	**14.05**
Building materials	11	0.34	40,347	0.13
Furnishings	48	1.48	51,884	0.16
Clothing, textiles	11	0.34	5,873	0.02
Wood, paper products	17	0.52	68,697	0.22
Flammable liquids	312	9.60	799,164	2.52
Flammable gases	14	0.43	214,652	0.68
Chemicals	26	0.80	67,490	0.21
Agricultural, forestry products	64	1.97	313,828	0.99
Miscellaneous	970	29.84	2,901,108	9.13

Table 26 (continued)

Fire Losses by Material First Ignited, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Material first ignited	Number of fires	Percent	Dollar loss	Percent
Miscellaneous				
Total	**267**	**8.21%**	**$ 4,020,122**	**12.65%**
Building materials	47	1.45	810,971	2.55
Furnishings	—	—	—	—
Clothing, textiles	4	0.12	1,420	0.00
Wood, paper products	15	0.46	83,007	0.26
Flammable liquids	15	0.46	210,355	0.66
Flammable gases	11	0.34	9,519	0.03
Chemicals	3	0.09	25,839	0.08
Agricultural, forestry products	74	2.28	485,696	1.53
Miscellaneous	98	3.01	2,393,315	7.53

Note: The sums of individual items may not always equal the totals due to rounding.

Table 27

Fire Losses by Fuel or Energy, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Fuel or energy	Number of fires	Percent	Dollar loss	Percent
All property classifications				
Total	**3,251**	**100.00%**	**$31,770,446**	**100.00%**
Coal, wood	367	11.29	5,273,060	16.60
Fuel oil	64	1.97	789,458	2.48
Gasoline	376	11.57	1,797,029	5.66
Natural gas	75	2.31	1,032,154	3.25
Propane, etc.	72	2.22	1,050,317	3.31
Smokers' materials	311	9.57	2,191,943	6.90
Electricity	715	21.99	4,618,136	14.54
Lightning	33	1.02	1,379,697	4.34
Unclassified	110	3.38	609,655	1.92
Unknown	1,127	34.68	13,026,810	41.00
Missing code	1	0.03	2,187	0.01
Assembly				
Total	**62**	**1.91**	**4,516,395**	**14.22**
Coal, wood	10	0.31	273,613	0.86
Fuel oil	1	0.03	1	0.00
Gasoline	3	0.09	353,244	1.11
Natural gas	1	0.03	6,000	0.02
Propane, etc.	3	0.09	499,048	1.57
Smokers' materials	5	0.15	265,002	0.83
Electricity	10	0.31	218,365	0.69
Lightning	2	0.06	5,000	0.02
Unclassified	3	0.09	602	0.00
Unknown	24	0.74	2,895,520	9.11
Institutional				
Total	**22**	**0.68**	**132,062**	**0.42**
Coal, wood	1	0.03	13,735	0.04
Fuel oil	—	—	—	—
Gasoline	—	—	—	—
Natural gas	3	0.09	5,842	0.02
Propane, etc.	1	0.03	500	0.00
Smokers' materials	7	0.22	2,657	0.01
Electricity	5	0.15	101,127	0.32
Lightning	—	—	—	—
Unclassified	—	—	—	—
Unknown	5	0.15	8,201	0.03

Table 27 (continued)

Fire Losses by Fuel or Energy, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Fuel or energy	Number of fires	Percent	Dollar loss	Percent
Residential				
Total	**1,152**	**35.44%**	**$10,901,269**	**34.31%**
Coal, wood	191	5.88	2,128,547	6.70
Fuel oil	30	0.92	306,915	0.97
Gasoline	18	0.55	195,295	0.61
Natural gas	57	1.75	426,829	1.34
Propane, etc.	30	0.92	82,516	0.26
Smokers' materials	216	6.64	1,424,383	4.48
Electricity	311	9.57	2,523,972	7.94
Lightning	11	0.34	217,223	0.68
Unclassified	46	1.42	262,578	0.83
Unknown	242	7.44	3,333,011	10.49
Business and personal service				
Total	**21**	**0.65**	**415,039**	**1.31**
Coal, wood	1	0.03	250	0.00
Fuel oil	—	—	—	—
Gasoline	1	0.03	22,602	0.07
Natural gas	1	0.03	226,975	0.71
Propane, etc.	—	—	—	—
Smokers' materials	5	0.15	89,780	0.28
Electricity	4	0.12	3,926	0.01
Lightning	—	—	—	—
Unclassified	1	0.03	1,000	0.00
Unknown	8	0.25	70,506	0.22
Mercantile				
Total	**70**	**2.15**	**2,544,914**	**8.01**
Coal, wood	16	0.49	618,170	1.95
Fuel oil	1	0.03	12,745	0.04
Gasoline	7	0.22	313,050	0.99
Natural gas	4	0.12	124,088	0.39
Propane, etc.	3	0.09	305,000	0.96
Smokers' materials	5	0.15	185,726	0.58
Electricity	13	0.40	332,108	1.05
Lightning	1	0.03	200	0.00
Unclassified	1	0.03	1,417	0.00
Unknown	19	0.58	652,410	2.05

Table 27 (continued)

Fire Losses by Fuel or Energy, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Fuel or energy	Number of fires	Percent	Dollar loss	Percent
Industrial manufacturing				
Total	**35**	**1.08%**	**$ 2,047,565**	**6.45%**
Coal, wood	4	0.12	1,404,156	4.42
Fuel oil	1	0.03	20,000	0.06
Gasoline	—	—	—	—
Natural gas	1	0.03	40,000	0.13
Propane, etc.	6	0.18	31,759	0.10
Smokers' materials	2	0.06	1,801	0.01
Electricity	8	0.25	156	0.00
Lightning	—	—	—	—
Unclassified	1	0.03	800	0.00
Unknown	12	0.37	548,893	1.73
Industrial storage				
Total	**149**	**4.58**	**2,730,037**	**8.59**
Coal, wood	46	1.42	192,527	0.61
Fuel oil	1	0.03	21,515	0.07
Gasoline	12	0.37	128,436	0.40
Natural gas	1	0.03	1	0.00
Propane, etc.	5	0.15	96,652	0.30
Smokers' materials	6	0.18	150,104	0.47
Electricity	18	0.55	153,283	0.48
Lightning	3	0.09	882,408	2.78
Unclassified	6	0.18	7,504	0.02
Unknown	51	1.57	1,097,607	3.46
Special property				
Total	**1,472**	**45.28**	**4,460,856**	**14.04**
Coal, wood	43	1.32	237,751	0.75
Fuel oil	27	0.83	355,307	1.12
Gasoline	322	9.91	696,600	2.19
Natural gas	1	0.03	175,000	0.55
Propane, etc.	13	0.40	13,905	0.04
Smokers' materials	49	1.51	55,738	0.18
Electricity	313	9.63	547,621	1.72
Lightning	—	—	—	—
Unclassified	32	0.98	165,595	0.52
Unknown	672	20.67	2,213,339	6.97

Table 27 (continued)

Fire Losses by Fuel or Energy, According to Property Classification, Saskatchewan, January 1 - December 31, 1983

Fuel or energy	Number of fires	Percent	Dollar loss	Percent
Miscellaneous				
Total	**267**	**8.21%**	**$ 4,020,122**	**12.65%**
Coal, wood	55	1.69	404,311	1.27
Fuel oil	3	0.09	72,975	0.23
Gasoline	13	0.40	87,802	0.28
Natural gas	6	0.18	27,419	0.09
Propane, etc.	11	0.34	20,937	0.07
Smokers' materials	16	0.49	16,752	0.05
Electricity	33	1.02	737,578	2.32
Lightning	16	0.49	274,866	0.87
Unclassified	20	0.62	170,159	0.54
Unknown	94	2.89	2,207,323	6.95
Missing code	1	0.03	2,187	0.01

Note: The sums of individual items may not always equal the totals due to rounding.

Table 28

Number of Fire Fatalities by Age and Sex, Saskatchewan, 1983

	Total fatalities	Age groups						
		0-5	6-15	16-18	19-39	40-64	65 and over	Unknown
Total	**30**	**4**	**5**	**—**	**9**	**6**	**6**	**—**
Total children	**9**	**4**	**5**	**—**	**—**	**—**	**—**	**—**
Male	6	2	4	—	—	—	—	—
Female	3	2	1	—	—	—	—	—
Total adults	**21**	**—**	**—**	**—**	**9**	**6**	**6**	**—**
Male	14	—	—	—	6	4	4	—
Female	7	—	—	—	3	2	2	—

Table 29

Number of Fire Injuries by Age and Sex, Saskatchewan, 1983

	Total injuries	Age groups						
		0-5	6-15	16-18	19-39	40-64	65 and over	Unknown
Total	**46**	**3**	**2**	**5**	**21**	**9**	**6**	**—**
Total children	**5**	**3**	**2**	**—**	**—**	**—**	**—**	**—**
Male	5	3	2	—	—	—	—	—
Female	—	—	—	—	—	—	—	—
Total adults	**41**	**—**	**—**	**5**	**21**	**9**	**6**	**—**
Male	33	—	—	5	19	8	1	—
Female	8	—	—	—	2	1	5	—

Table 30

Fire Deaths and Injuries Due to Careless Use of Flammable Liquids, Saskatchewan, 1983

Year	Total deaths	Deaths due to careless use of flammable liquids	total injuries	Injuries due to careless use of flammable liquids
Ten-year average	**36**	**4**	**39**	**13**
1974	42	4	18	7
1975	26	2	28	17
1976	31	2	48	20
1977	33	12	29	12
1978	41	8	46	11
1979	46	1	39	11
1980	39	8	34	9
1981	32	2	65	10
1982	40	3	35	9
1983	30	—	46	21

Table 31

Fire Fatalities by Time of Day, Saskatchewan, 1983

Time of day	Total	Men	Women	Children
Total	**30**	**14**	**7**	**9**
12 a.m. - 6 a.m.	12	7	2	3
6 a.m. - 12 p.m.	5	2	—	3
12 p.m. - 6 p.m.	12	4	5	3
6 p.m. - 12 p.m.	1	1	—	—
Unknown	—	—	—	—

Table 32

Circumstances Contributing to Fire Casualties, Saskatchewan, 1983

Circumstances	Number of fatalities	Number of injuries
Condition of casualty at time of fire		
Total	**30**	**46**
Not applicable	3	20
Asleep at time of fire	8	8
Bedridden or other physical or mental handicap	—	—
Impaired by alcohol	12	4
Impaired by drugs	—	—
Under restraint or detention	—	—
Too young to act	2	—
Senile	—	—
Left unattended (children)	—	—
Unclassified or unknown	5	14
Action of casualty at time of fire		
Total	**30**	**46**
Not applicable	4	9
Injured while trying to escape	6	16
Overextension, heart attack, etc.	—	1
Voluntarily entered or remained for rescue	—	2
Voluntarily entered or remained for firefighting	—	4
Voluntarily entered or remained to save property	—	1
Loss of judgement, panic	5	2
Received delayed warning	3	—
Unclassifed or unknown	12	11
Ignition of clothing or other fabrics		
Total	**30**	**46**
Not applicable	12	31
Outer clothing	1	7
Sleepwear	—	—
Underclothing	—	—
Costume	—	—
Bedding and bed linen	3	—
Mattress or pillow	—	3
Upholstered furniture	4	—
Unclassifed or unknown	10	5

Table 32 (continued)

Circumstances Contributing to Fire Casualties, Saskatchewan, 1983

Circumstances	Number of fatalities	Number of injuries
Type of fabric or material ignited		
Total	**30**	**46**
Not applicable	15	23
Cotton	2	—
Wool	—	—
Other natural fibre	—	—
Rayon (viscose)	—	—
Other synthetic fibre	2	1
Mixture of fibres	2	4
Rubber	—	—
Plastic foam	1	—
Unclassifed or unknown	8	18
Cause of failure to escape		
Total	30	46
Not applicable	4	33
Trapped by rapid spread of fire/smoke through vertical openings, stairways or elevators	—	—
Trapped by rapid spread of fire/smoke through horizontal openings	9	1
High flame spread of combustible interior finish of walls, ceilings or floors	—	—
Building collapse	—	4
Falling debris	—	—
Explosion	—	6
Exit blocked or obstructed by fire	2	—
Outdoor fire (includes forest and brush)	—	—
Unclassifed or unknown	15	2

Oil Burners

The Fire Prevention Act and regulations thereunder require that distributors and wholesalers of oil burners obtain an annual licence and that firms or persons installing and servicing oil-burning equipment take out an annual or quinquennial licence as authorized by the Fire Commissioner, for such work. The number of licences issued during the fiscal year ended March 31, 1984, and during each of the previous nine years is shown in Table 33. The number of oil burner installation permits issued, as required by the regulations, is also shown in Table 33. During the fiscal year 1983-84, 611 oil burner inspections were made.

Table 33

Oil Burner Licences and Permits Issued under *The Fire Prevention Act*, Saskatchewan, 1974-75 — 1983-84

Type of licence or permit	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80	1980-81	1981-82	1982-83	1983-84
Total oil burner licences	**149**	**204**	**171**	**163**	**121**	**119**	**180**	**129**	**109**	**94**
Wholesalers' or manufacturers' (annual)	12	11	11	11	10	11	11	12	11	11
Installers' (annual)	87	86	81	56	45	49	51	42	41	34
Installers' (quinquennial)	50	107	79	96	66	59	118	75	57	49
Total oil burner permits (annual)	**177**	**208**	**226**	**273**	**203**	**208**	**166**	**106**	**71**	**16**

Note: The number of licensed oil burner installers in Saskatchewan in 1983-84 was 406.